

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1327560

Luminaire Tested: LDSQA3D13R20W2N902750DE010 3LSQCDR1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327560
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R20W2N902750DE010 3LSQCDR1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3500K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

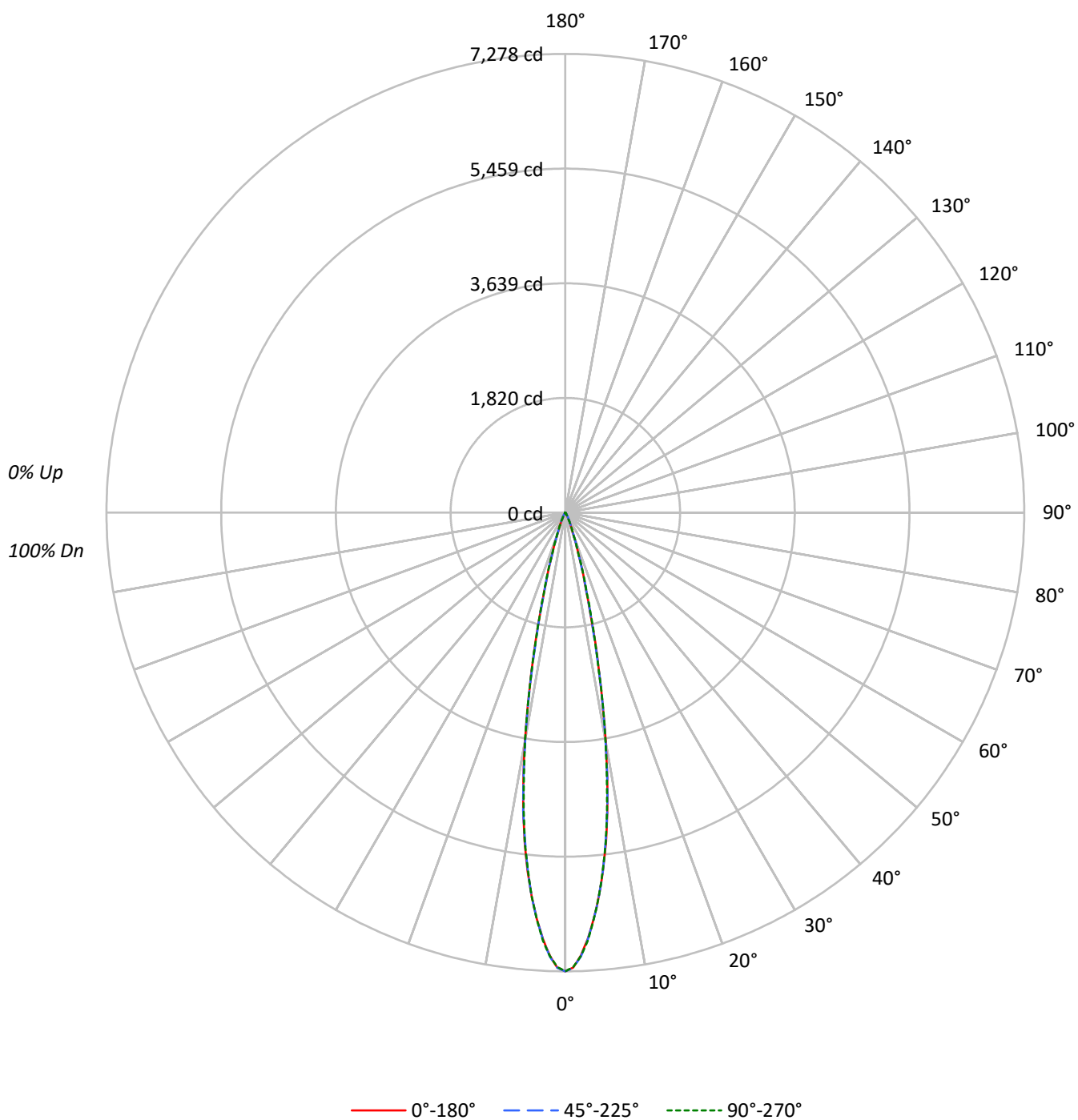
Lumens per Lamp: N/A
Luminaire Lumens: 1003.1 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	95	95	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93	93	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91	91	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89	89	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	87	87	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	86	86	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84	84	84
9	96	90	87	84	95	90	86	84	89	86	84	88	85	84	87	85	83	83	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81	81	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1253505	1253505	1253505
5°	1056507	1056905	1056369
10°	643819	640828	642315
15°	226777	227740	234801
20°	71258	73255	71679
25°	26699	29207	27421
30°	10341	14656	10798
35°	3911	6518	4247
40°	2091	2788	2091
45°	755	1315	950
50°	429	616	429
55°	480	480	480
60°	276	276	276
65°	326	326	326
70°	403	403	403
75°	0	0	532
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1315 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	505.2	50.4
10°-20°	396.2	39.5
20°-30°	77.8	7.8
30°-40°	17.4	1.7
40°-50°	4.0	0.4
50°-60°	1.3	0.1
60°-70°	0.8	0.1
70°-80°	0.3	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	979.2	97.6
0°-40°	996.7	99.4
0°-60°	1001.9	99.9
0°-90°	1003.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1003.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7278	7278	7278	7278	7278	
5°	6111	6117	6114	6134	6110	506
15°	1272	1277	1277	1305	1317	395
25°	140	150	154	151	144	74
35°	19	22	31	22	20	14
45°	3	5	5	5	4	3
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7278.4	7278.4	7278.4	7278.4	7278.4
1°	7219.4	7203.9	7221.7	7207.7	7210.8
2°	7032.4	7023.8	7047.1	7032.4	7040.1
3°	6772.4	6761.5	6778.6	6779.4	6801.1
4°	6462.0	6441.0	6466.6	6467.4	6471.3
5°	6111.2	6116.6	6113.5	6134.5	6110.4
6°	5717.0	5734.8	5711.6	5723.2	5689.8
7°	5276.2	5253.7	5242.1	5245.9	5269.2
8°	4789.6	4774.1	4791.2	4767.1	4750.8
9°	4248.7	4221.6	4240.2	4216.9	4193.6
10°	3681.5	3669.1	3664.4	3638.0	3672.9
11°	3112.6	3075.4	3094.0	3080.8	3118.9
12°	2580.3	2583.4	2546.9	2558.6	2563.2
13°	2099.9	2050.3	2056.5	2088.3	2093.7
14°	1628.9	1635.9	1638.2	1660.7	1673.9
15°	1271.9	1277.3	1277.3	1305.3	1316.9
17.5°	682.1	682.1	696.9	700.0	701.5
20°	388.8	391.1	399.7	398.9	391.1
22.5°	232.8	237.5	242.1	237.5	232.8
25°	140.5	149.8	153.7	151.3	144.3
27.5°	83.8	93.9	104.8	96.2	83.0
30°	52.0	57.4	73.7	59.0	54.3
32.5°	28.7	37.2	50.4	38.8	29.5
35°	18.6	22.5	31.0	22.5	20.2
37.5°	13.2	15.5	19.4	16.3	14.0
40°	9.3	10.9	12.4	11.6	9.3
42.5°	6.2	7.8	8.5	7.8	6.2
45°	3.1	4.7	5.4	4.7	3.9
47.5°	1.6	2.3	3.9	2.3	1.6
50°	1.6	1.6	2.3	1.6	1.6
52.5°	1.6	1.6	1.6	1.6	1.6
55°	1.6	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	0.8	1.6	0.8
60°	0.8	0.8	0.8	0.8	0.8
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.0	0.0	0.8
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)